

Package ‘cloudstoR’

January 16, 2022

Title Simplifies Access to Cloudstor API

Version 0.2.0

Description Access Cloudstor via their WebDAV API. This package can read, write, and navigate Cloudstor from R.

URL <https://pdparker.github.io/cloudstoR/>,
<https://github.com/pdparker/cloudstoR>

BugReports <https://github.com/pdparker/cloudstoR/issues>

License GPL (>= 3)

Suggests rstudioapi, testthat (>= 3.0.0)

Encoding UTF-8

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Imports curl, cli, getPass, httr, keyring, rio, utils, XML

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NeedsCompilation no

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cloud_auth	<i>cloud_auth</i>
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Description

cloud_auth() gets the user's credentials and stores them securely in keyring.

Usage

```
cloud_auth(reset_keys = FALSE)
```

Arguments

reset_keys Override existing keys.

Value

Nothing. Keys are stored in keyring.

cloud_browse	<i>cloud_browse</i>
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Description

cloud_browse() lets you navigate the folder tree interactively. This is useful for finding a file or folder path which can then be used in cloud_get() or cloud_put(). This function is only intended to be used interactively - you should not use this function programmatically.

When you call cloud_browse() you are given a list of files and folders (either at the top-level, or from the provided path). You provide the numeric number of the folder or file you wish to move to to continue. If you are not at the top level, you can select "../" to move up one folder. At any time you can select 0 to exit the interactive navigation.

If you select a folder, you are shown the files and folders within that folder. If you select a file, the full path for the file is shown (so that it can be passed to another function) and the interactive session is ended.

Usage

```
cloud_browse(path = "", user = cloud_auth_user(), password = cloud_auth_pwd())
```

Arguments

path The initial path to start the search. If not provided, the function starts at the top-level folder.

user Your Cloudstor username.

password Your Cloudstor password.

Value

the last file path

cloud_get	<i>cloud_get</i>
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Description

cloud_list() downloads a file from a Cloudstor folder. The file is opened and read into R using rio, or optionally the file path is returned.

Usage

```
cloud_get(  
  path,  
  dest = NULL,  
  user = cloud_auth_user(),  
  password = cloud_auth_pwd(),  
  open_file = TRUE,  
  ...  
)
```

Arguments

path	The path to file or folder.
dest	The destination for saving the file.
user	Cloudstor user name
password	Cloudstor password
open_file	If TRUE, open the file using rio. Else, returns the file path
...	pass additional arguments to rio::import()

Value

The file object or folder path is returned, depending on open_file

cloud_list	<i>cloud_list</i>
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Description

cloud_list() returns a list of the files located in a folder.

Usage

```
cloud_list(path = "", user = cloud_auth_user(), password = cloud_auth_pwd())
```

Arguments

path	The path to file or folder.
user	Cloudstor user name.
password	Cloudstor password.

Value

A list of files and folders.

cloud_meta	<i>cloud_meta</i>
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Description

cloud_meta() returns the metadata for a file or folder. This can be useful for checking if a file has been modified.

Usage

```
cloud_meta(path = "", user = cloud_auth_user(), password = cloud_auth_pwd())
```

Arguments

path	The path to file or folder.
user	Your Cloudstor username
password	Your Cloudstor password

Value

A data.frame of the file and folder metadata is returned.

`cloud_put`*cloud_put*

Description

`cloud_put()` saves a file to Cloudstor. If the file already exists, it is replaced.

Usage

```
cloud_put(  
    local_file,  
    path = "",  
    file_name = basename(local_file),  
    user = cloud_auth_user(),  
    password = cloud_auth_pwd()  
)
```

Arguments

<code>local_file</code>	Where the file is located on your computer.
<code>path</code>	The destination on Cloudstor.
<code>file_name</code>	Optional. What you want to call the file on Cloudstor? If it is not provided, it is the same as the file name of the local file
<code>user</code>	Optional. Your Cloudstor username.
<code>password</code>	Optional. Your Cloudstor password.

Value

Nothing is returned. A success or error message is printed.

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